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WEATHER BUREAU

MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, SYRIA

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

OCTOBER, 1943

J. A. BROWN, DIRECTOR

Printed at the American Press
Beirut, Lebanon

*Summer time

OCTOBER 1943

METEOROLOGICAL REGISTER

Date	Barometer reduced to oC Sea level and 45 Latitude 700 mm. + ...				Thermometer Cent.					
	*8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	59.9	59.3	59.2	59.5	35.7	26.2	29.9	34.0	28.2	30.7
2	9.9	9.4	9.7	9.7	36 4	26.2	27.8	33 2	28.7	29.9
3	7.4	9.3	9.0	8.6	33.2	25.8	30.3	32.3	27.3	30.0
4	9.6	8.6	8.8	9.0	32.7	25.0	27.7	31.4	27.7	28.9
5	60.0	60.3	60.7	60.3	31.2	23.4	26.9	30.4	25.7	27.7
6	61.3	60.4	60.4	60.7	30.1	23.8	25.3	28.9	25.8	26.7
7	1.2	1.2	1.8	1.4	29.7	24.2	25.1	28.9	25.8	26.6
8	2.6	2.2	2.5	2.4	29.7	22.9	25.7	28.8	25.2	26.6
9	2.1	1.0	0.9	1.3	29.9	22.9	24.0	28.1	24.0	25.4
10	58.0	57.9	56.5	57.5	28.5	17.2	25.4	20.7	24.5	23.5
11	57.1	56.7	57.5	57.1	28.4	22.0	23.8	28.0	23.3	25.0
12	8.0	8.2	9.5	8.6	28.6	22.2	23.3	27.4	24.0	24.9
13	60.6	60.6	60.8	60.7	28.6	22.2	23.7	28.1	23.8	25.2
14	1.8	0.7	1.3	1.3	29.5	24.0	24.0	28.2	25.9	26.0
15	0.0	59.2	59.3	59.5	31.4	23.4	26.8	30.7	25.5	27.7
16	60.4	60.0	60.4	60.3	29.1	22.3	24.6	27.7	23.9	25.4
17	1.0	0.8	0.9	0.9	27.6	22.8	23.7	26.7	24.2	24.9
18	1.0	0.4	0.2	0.5	28.2	22.8	24.1	27.7	24.8	25.5
19	59.9	58.9	58.7	59.2	28.6	21.1	23.6	27.3	24.2	25.0
20	8.0	7.4	7.7	7.7	27.5	21.3	23.2	27.0	23.9	24.7
21	58.9	58 8	60.2	59.3	27.0	20.9	22.4	26.6	22.7	23.9
22	61.6	61.3	0.9	61.3	27.0	20.2	22.5	26.2	23.1	23.9
23	59.7	58.6	58.0	58.8	27.0	20.1	22.4	25.8	24.1	24.1
24	9.5	9.4	60.5	9.8	26.9	20.6	21.0	26.1	22.9	23.3
25	60.7	60.3	0.9	60.6	26.7	19.6	21.7	24.9	20.6	22.4
26	60.7	59.8	60.3	60.3	24.7	17.7	20.6	24.1	21.9	22.2
27	0.5	9.9	0.7	0 4	24.2	17.6	20.5	23.9	21.2	21.9
28	2.6	62.1	2.8	2 5	25.2	18.6	21.1	24.4	20.3	21.9
29	3.6	2.4	2.5	2.8	25.1	19.6	19.9	24.8	22.3	22.3
30	2.9	2.1	1.9	2.3	25.7	20 1	21.2	25.1	22.8	23.0
31	1.9	0.8	0.6	1.1	26.0	21.6	21.7	25.1	24.5	23.8
	60.40	59.93	60.16	60.17	28.71	21.88	23.99	27.50	24.29	25.25

Barometer, range for month 756.5 – 763.6 mm.
,, 62-yr. average for month 761.39 mm.
Thermometer, range for month 17.2° C — 36.4° C.
,, 62-yr. average for month 24.53 C.
Rain, total for month 33.02 mm.
,, , 62-yr. average for month 49.28 mm.
,, , total, from Sept. 1st. 34.54 mm.
62-yr. average, total from Sept 1st. 55 88 mm.

*Summer time

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METEOROLOGICAL REGISTER

Date	Elasticity of Vapor mm.				Relative Moisture per cent.				Sun. hrs.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	17.8	18.5	16.3	17.5	56	47	57	53	9.5	272.0	
2	18.4	28.5	17.0	21.3	66	75	57	66	9.5	440.0	
3	21.4	26 8	21.0	23.1	66	75	78	73	9.5	144.0	
4	23.6	26.7	15.0	21.8	86	77	55	73	9.3	164.8	
5	21.4	22.7	21.8	22.0	82	70	89	80	9.6	240.0	
6	19.1	20.6	20.5	20.1	80	70	83	78	9.2	144.0	
7	19.3	19.1	18.9	19.1	82	64	76	74	9.3	288.0	
8	18.9	18.3	18.9	18.7	76	62	79	72	9.7	288.0	
9	17.5	18.7	18.7	18.3	79	66	84	76	8.2	216.0	
10	15.3	13.0	16.6	15.0	63	72	73	69	2.8	608.0	20.83
11	13.8	18.6	16.0	16.1	62	66	75	68	8.7	224.0	
12	14.3	17.3	17 7	16.4	65	64	80	70	7.6	171.2	
13	15.2	18.0	17.4	16.9	70	64	78	71	9.2	152.0	
14	16.6	18.6	18.8	18.0	74	65	75	71	9.4	344.0	
15	20.9	15.3	21.6	19.3	80	46	88	71	9.5	136.0	
16	18.2	18.6	19.3	18.7	79	67	88	78	9.3	140.8	
17	17.2	20.1	18.5	18.6	78	77	82	79	1.6	251.2	
18	16.9	17.9	16.0	16.9	76	64	68	69	7.1	272.0	
19	16.8	17.3	17.4	17.2	78	64	77	73	8.3	208.0	
20	15.2	15.8	16.6	15.9	72	58	75	68	6.7	376.0	1 02
21	15.8	15.5	15.7	15.7	78	60	77	72	9.4	328.0	1.52
22	12.8	15.9	17.0	15.2	63	63	82	69	8.6	224.0	
23	15.9	13.8	17.5	15.7	79	55	78	71	3.7	432.0	1.27
24	14.8	15.8	15.1	15.2	80	63	73	72	9.6	240.0	1.27
25	12.4	15.4	15.4	14.4	64	65	85	71	10.4	312.0	
26	13.0	14.0	14.0	13.7	73	63	71	69	6.6	331.2	
27	13.9	13.7	13.9	13.8	77	62	74	71	5.1	448.0	1.02
28	14.2	15.1	13.8	14.4	76	67	78	74	6.7	184.0	6.09
29	13.3	14.3	15.8	14.5	77	62	77	72	10.2	456.0	
30	13.5	14.7	15.2	14.5	72	63	74	70	10.2	488.0	
31	14.2	15.0	16.9	15.4	73	63	75	70	10.2	248.0	
	16.50	17.85	17.23	17.20	73.6	64.4	76.1	71.3	8.21	282.29	1.06

Height of Barometer above sea level: 33.7 meters.
„ „ Thermometers above ground:
Dry and wet 1.55 m.: Max. 1.75 m.: Min. 1.70 m.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of readings minus 3 hours equals G.C.T.
62 year averages are for period, 1875-1936

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Date	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	1ci	0	0	0.3	0	1ne	0	calm	
2	0	0	0	0.0	0	1ne	1ne	,,	
3	0	0	0	0.0	0	1ne	0	,,	
4	0	0	0	0.0	1sw	0	0	,,	
5	1cu	0	0	0.3	2sw	2sw	0	light	
6	1ci	1cu	10cu	4.0	0	1nw	0	light	
7	0	1cu	8cu	3.0	0	2nw	2nw	,,	
8	9cu	0	1cu	3.3	0	1nw	0	calm	
9	0	6cu	1ci	2.3	0	1nw	0	,,	
10	9cu	10cu-ni	10c-n	9.7	0	2nw	2nw	light	G. a.m. & T. P.M.
11	0	2cu	0	0.7	0	2nw	0	light	Tr. of rain a.m.
12	6cu	7cu	2cu	5.0	1sw	2sw	0	,,	
13	2cu	3cu	0	1.7	0	2sw	0	,,	
14	4ci	1ci	1ci	2.0	1se	1sw	4ne	,,	Sudden W. at 7.P.M.
15	0	0	1cu	0.3	1sw	0	0	,,	
16	2ci	3ci	0	1.7	0	2sw	0	light	
17	2cu	10cu	0	4.0	1sw	2sw	0	,,	Tr. of rain P.M.
18	9cu	7cu	9cu	8.3	0	1n	2nw	,,	,, ,, ,, ,,
19	1cu	8cu	1cu	3.3	0	1nw	0	,,	
20	1cu	6cu	9cu	5.3	1sw	2sw	2sw	,,	Tr. of rain P.M.
21	9cu-ni	1cu	0	3.3	2sw	2sw	0	light	Tr. of rain P.M.
22	1cu	10cu	0	3.7	1sw	1sw	0	,,	
23	6cu	10cu	1cu	5.7	0	2nw	0	,,	Tr. of rain & lightning P.M.
24	5cu	2cu	0	2.3	0	1sw	0	,,	
25	1cu	4cu	0	1.7	0	2sw	0	slight	
26	1cu	10cu	3cu	4.7	0	1nw	0	slight	
27	10c-n	2c-n	6c-n	6.0	1sw	2sw	0	,,	Tr. of rain P.M.
28	3cu	8c-n	0	3.7	0	1sw	0	,,	
29	0	0	0	0.0	0	1nw	2nw	light	
30	0	0	0	0.0	1nw	1nw	2nw	slight	Mist A.M.
31	0	0	0	0.0	0	1nw	0	,,	
				2.78					

* Abbreviations :— G = gale; H = haze; M = mist ; T = thunderstorm ; D = dew. W = strong wind.

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Total
8:30	0	0	0	1	0	9	0	1	20	31
14:30	1	3	0	0	0	13	0	12	2	31
20:30	0	2	0	0	0	1	0	5	23	31
Totals	1	5	0	1	0	23	0	18	45	93

Number of days with rain 7, fog 0, thunderstorms 1, gale 1.

62 yr. av. days with rain during month 3.5 days